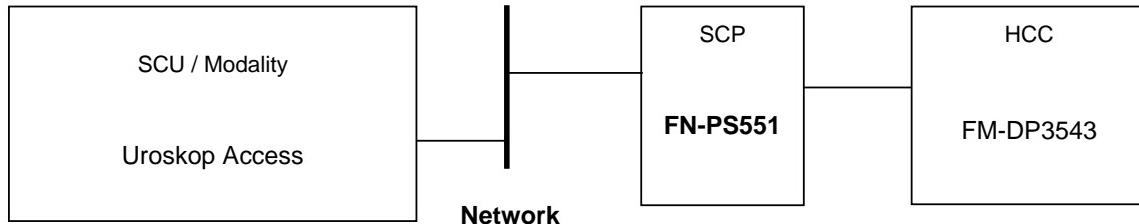


Product:	Uroskop Access
Title:	Specific Hardcopy Camera Information for FUJI FM-DP3543 / FN-PS551
Systems affected:	Image System ASPIA
Replaces:	n.a.

1 General Information

1.1 Block Diagram



1.2 Available Film Sizes

Application			Film Type	Medium Type
14"x17"	Portrait	yes	DI-AT	blue based
	Landscape	yes		
14"x14"	Portrait	n.a.	n.a.	n.a.
	Landscape	n.a.		
11"x14"	Portrait	n.a.	n.a.	n.a.
	Landscape	n.a.		
8"x10"	Portrait	n.a.	n.a.	n.a.
	Landscape	n.a.		
others		n.a.	n.a.	n.a.

yes - Film size is available and released
no - Film size is available but not released
n.a. - Film size is not available

1.3 Restrictions

A special densitometer is required, or X-Rite 301 X with Fuji filter and Fuji certificate
Additional labelings and trim must be switched off.
For HCC-independent restrictions, see also the general restrictions in the document Uroskop Access, General Hardcopy Information.

Specific FUJI FM-DP3543 / FN-PS551 Information**2 Modality SW Configurations / Parameters**

Refer to: Uroskop Access, General Hardcopy Camera Information

<u>Application Entity Properties</u>	<u>Display</u>	<u>Changes allowed yes/no</u>
AE Title	FMDP3543	Yes
Port Number	104	No
Supported DICOM Services	Print	No
<u>HC Device / General Settings</u>	<u>Display</u>	<u>Changes allowed yes/no</u>
Type	DICOMprinter	No
Class (Printer spec file name)	fujifl_dp_3543	No
DICOM Node	fmdp3543	Yes
<u>Filming Properties</u>	<u>Display</u>	<u>Changes allowed yes/no</u>
Hold printed film jobs	10	Yes
Min. density	0.20	Yes
Pixel Size [1/1000 mm]	85 x 85	No
Film Sheet Formats Portrait	Number of pixels [columns x rows]	14x17 inches 4072x4891 In "define new" Do not modify/add Select only Delete only
Film Sheet Formats Landscape	Number of pixels [columns x rows]	14x17 inches 4972x3993 In "define new" Do not modify/add Select only Delete only
Medium Type	blue film	Yes
Film Destination	processor	No
Color appearance	monochrome	No
Background	black	Yes
Transformation	no magnification	No
Note:	Do not modify and/or add film sizes. Do not modify pixel sizes. Delete film sizes that are not available at customer site.	

3 Hardcopy Camera, Configuration**3.1 Identification**

Device-Type:	DICOM Print Server(SCP)	Printer
Manufacturer / Device Name:	FUJI Photo Film / FN-PS 551	FUJI Photo Film / FM – DP 3543
HW Revision:	Dell – PC, Optiplex GX 1	Ser.-No. 7652003
SW Revision:	A 06	C 02
Image Memory:	6 GB(128MB Main Memory)	96 MB
Harddisk:	6,4 GB	None
Number of Operating Panels:	1 PC-Tastatur	1 built in Keypad
No./Typ of Input:	1 Ethernet - UTP,	FIX 90 A
No./Typ of Output:	1 SCSI-DXA 01 Board(FUJI-DMS Protokoll)	
Physical Network Interface:	100/10Base-T Ethernet, UTP/STP	None
Network Protocol:	TCP / IP	None
DICOM Conformance Statement:	FUJI Network Print Server FN-PS551, May 2001, 4 th Edition	None

Uroskop Access

Camera Installation

Specific FUJI FM-DP3543 / FN-PS551 Information

3.2 SCP / Printer Settings (provided by FUJI)

file name	content	remarks
None	FUJI Service Utility setting:	Provided by FUJI
	Function	Properties
	Protocols: DICOM	Network port no. = 104 data transfer timeout = 3600 sec. Print Server Application Entity = one to each printer Data receive if the printer is off-line = enable
	Printer: FMDP3543	Properties
	Name:	AE Title of DICOM = FMDP3543 Fine printing = off
	Interface:	interface = E-i/f pixel clock = 1,0 µsec/pixel version = type 1 Filmsize = 14x17 (dimmed) Film medium = blue (dimmed)
	Model:	model = FN-PS551 manufacturer = FUJI PHOTO FILM CO, LTD
	Clients: DICOM: UroA	Properties
	name:	Hostname = UroA IP address = (from System Administrator)
	protocol:	Protocol = DICOM Application Entity Title = MERGE_PRINT_SCU Attribute list error(0107H warning) = indicate Attribute value out of range(0116H warning) = indicate Image size larger than image box(B604H warning) = indicate N-Event-Report-RQ = disabled Use Presentation LUT = No
	magnify:	Data transfer timeout = enabled Use extension format = No procedure = SSM default smoothing type = SHARP
	LUT:	procedure = SAR default LUT = 1 (linear) Adj. parameter LUT = 1 rtable no. = 17 Max. density = 300 Min. density = 15 number of tuning points = 0
	printer:	fixed, FMDP3543
	output format1:	border density = 300 polarity = normal(Pos.) trim density = 300 trim = off trim width = 1 pixel number of copies = 1 film size = 14x17 medium type = blue film orientation = portrait mirror = OFF(normal) overlay threshold density = 120
	output format2:	a margin between image = 20 pixel Image Layout = concentration
	Annotation: Print Server	Upper left = (nothing selected)

Specific FUJI FM-DP3543 / FN-PS551 Information

	Upper center = (nothing selected) Upper right = (nothing selected) Lower left = (nothing selected) Lower center = (nothing selected) Lower right = (nothing selected)
Logging:	network = (No) printer = (No) DICOM = normal output image to file = off Precedence = Input
Sorting:	sorting conditions = (nothing selected)
Note: 2 cameras (each with a separate channel) are possible to connect to PS551. For the test only one printer connection is used.	

Note1: Maximum number of associations supported: 6

3.3 Error and Warning Messages

Printer (SCP) defined message	Displayed message at modality (SCU)
FAILURE: UNKNOWN	Unspecified problem with camera
SUPPLY EMPTY	Camera out of film
RECEIVER FULL	Receiver full
During "Printer offline and warming up" always "Unspecified problem with camera" was displayed at modality, instead of specified "PRINTER OFFLINE or PRINTER DOWN".	

No other errors or warnings have been tested.

4 Image Quality and Optical Density

4.1 Reference Film and LUT

Released Film Type	DI AT
--------------------	-------

Refer to: Uroskop Access, General Hardcopy Camera Information

4.2 Real Size Scaling

n.a.

5 Abbreviations

DCS	DICOM Conformance Statement
DICOM	Digital Imaging and Communication in Medicine
HW / SW	Hardware / Software
HCC	Hardcopy Camera
LUT	Look Up Table
OEM	Original Equipment Manufacturer
SCP	Service Class Provider
SCU	Service Class User
TCP/IP	Transfer Control Protocol / Internet Protocol

6 Changes to Previous Version

All chapter were updated.

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